

PRODUCT BULLETIN
EOS NCS-20 Negative
(EOS ST-20 Negative)

NEGATIVE SIDE FUNCTIONAL PENETRATING SEALER FOR CONCRETE

PRODUCT NAME: EOS NCS-20 Negative

PRIMARY BENEFITS

EOS NCS-20 Negative

MANUFACTURER:

EOS SYSTEMS
 ENDUR-O-SEAL USA, Inc.
 Houston, Texas 77064
 1-800-342-9202

PRODUCT DESCRIPTION:

EOS NCS-20 Negative is a waterborne, non-flammable, blend of proprietary polysiloxanes that are negatively charged in the manufacturing process. This unique process delivers an elastomeric membrane penetrating sealer that will not crystallize. It is specifically engineered for the treatment of at grade or below grade concrete walls or floors with high negative side pressures.

TECHNOLOGY:

EOS NCS-20 Negative is highly reactive polysiloxane blend that is capable of extreme penetration rates (1/2 "to 1 1/2") into the concrete. The formula attaches itself to the substrate by electrochemical means. The formula then reacts with particular elements in the concrete to form a subsurface minimally vapor permeable elastomeric membrane. The EOS NCS-20 Negative will virtually eliminate MVTR (Moisture Vapor Transmission) in existing or new concrete. The membrane will stop water migration or sweating up to 18 psi. of hydrostatic head pressure.

- Long – term performance
- Phase differential permeability technology.
- U.V. (Ultraviolet) resistant / extends product life.
- Very low VOC's / non-toxic / non-hazardous.
- Prevents the water absorption/retention required for the growth of fungi or algae
- Prevents adhesion of dirt and organic pollutants.
- Dries without staining discoloring or altering the look or feel of the surface.
- EOS-NCS-20 Negative is a non discoloring treatment
- Provides protection in extreme temperatures (between -50°F and + 225°F)

TECHNICAL DATA

V.O.C. Content:	<0.27 lbs./Gal
Flashpoint:	> +212°F
Penetration:	0.50 - 1.50 in.
U.V. Resistance (QUV 7500 Hrs.)	Pass
Breathability ASTM D165	96.6%@30%RH 24.1%@90%RH
Water Leakage ASTM E 514	99.78%
NCHRP 244 Chloride Absorption	99.4%
Simulated Wind Driven Rain	N/A

SURFACE PREPARATION

The area or material to be treated should be free of all previous coatings, penetrating sealers, or adhesives. The substrate should be thoroughly washed to remove all efflorescence, dirt, mildew, and fungi. Allow adequate time for drying prior to application. The substrate must be dry (10%) within 2 ½” “from the surface.”

APPLICATION METHODS

EOS-NCS-20 Negative can be applied by means of spraying with a conventional, airless or Hudson pump up type sprayer, brush/roller application and or submerging in a vat or bath may be utilized. Make sure the concrete to be treated is dry (10% moisture content maximum). Refer to guide specification for details on various substrates. Agitate the sealer as indicated on the label; utilize as is. Do not dilute or otherwise alter the material.

COVERAGE

Apply in accordance with the rate stated below or per architectural guide specifications. The following rates approximate and may vary due to porosity of material to be treated

- At grade Horizontal: 250-300 square feet per gallon
- At grade Vertical: 250-300 square feet per gallon
- Below grade Horizontal: 150-200 square feet per gallon
- Below grade Vertical: 150-200 square feet per gallon

PACKAGING & STORAGE

Available in five (5) gallon pails, fifty-five (55) gallon drums. Storage should be maintained between 32 F and 100 F and out of direct sunlight

WARRANTY

The information and recommendations made herein are based on EOS research and that of others. And are believed to be accurate. No Guarantee of test accuracy is made due to the considerable number of variables which can affect field application and performance of EOS products including but not limited to surface conditions, job conditions. Users and purchasers are encouraged to determine the suitability of this product for particular purposes. EOS SYSTEMS warrants this product to conform to stated specifications and be free of defects at time of shipment. The company makes no other warranties either express or implied.

CUSTOMER/ TECHNICAL SERVICE

EOS SYSTEMS provides a variety of technical services regarding the function and use of EOS product. If you have any questions please contact your EOS sales representative for further information

SAFETY INFORMATION

Please refer to Material Safety Data Sheet